

## PUBLIC PROTECTION MEASURES

### SHELTER-IN-PLACE PROCEDURE

If you are advised to stay sheltered, do not leave your house or attempt to start any vehicles until a Gibson representative advises you that it is safe to do so. The following steps should be taken if "Shelter-In-Place" procedures have been implemented:

- Immediately gather everyone indoors and stay there.
- Tightly close windows and outside doors. If convenient, tape the gaps around the exterior door frames.
- Extinguish indoor wood burning fires, close flue dampers if possible.
- Turn off appliances or equipment that either:
  - Blow out or use indoor air, such as:
    - ◆ Bathroom and kitchen exhaust fans
    - ◆ Built in vacuum systems
    - ◆ Clothes dryers
    - ◆ Gas fire places and stoves.
  - Draws in outdoor air, such as:
    - ◆ Heating ventilation and air conditioning (HVAC) systems
    - ◆ Fans for heat recovery ventilators or energy recovery ventilators.
- Turn down furnace thermostats to the minimum setting, turn off air conditioners.
- Leave all inside doors open.
- Wait in an interior room upstairs for further instruction.
- Avoid using the telephone, except for emergencies, so that you can be contacted by Gibson emergency response personnel.
- Call Gibson if you are experiencing symptoms or smelling odours (so that they can coordinate a response).
- Even if you see people outside, do not leave until told to do so.
- If you are unable to follow these instructions, please notify Gibson emergency response personnel.

After the hazardous substance has passed through the area, you will receive an "all-clear" message from Gibson emergency response personnel. You may also receive, if required, instructions to:

- Ventilate your building by opening all windows and doors, turning on fans, and turning up thermostats. During this time the air outside may be fresher and you may choose to leave your building while ventilating.
- Once the building is completely ventilated, return all equipment to normal settings and operation.

### PROCEDURE FOR EVACUATION

If it is necessary to evacuate, you will be contacted by telephone immediately. If you require voluntary evacuation assistance, have special needs considerations, or if there is no answer to our telephone calls, Gibson will dispatch personnel to your residence or business to verify your location and inform you of the situation. Special needs considerations include residents who may require transportation, residents who do not have a telephone on-site and / or residents that have health or respiratory problems.

The steps below should be followed if "Evacuation" procedures have been implemented:

- Gather all residents and bring any medicines required.
- Lock all windows and doors.
- Turn down thermostat and shut off any air exchange fans to outside.
- Drive safely on the route provided, proceed directly to the reception centre and check in with the representative.
- Wait for further instruction.

In some cases, there may be concern that evacuation would expose people to greater hazard than if they remain in their homes. Buildings provide a supply of clean indoor air to dilute contaminated air that infiltrates from outdoors, thus reducing the concentrations to which the occupants are exposed. Therefore sheltering may be considered as an alternative to evacuations for short durations.

**GIBSON ENERGY 24 HOUR EMERGENCY NUMBER**  
1-866-553-0111

## POTENTIAL HEALTH IMPACTS

BUTANE (C <sub>4</sub> H <sub>10</sub> )	ECCC Hazard Category	E - Explosion
	CAS #	106-97-8
	UN #	1011 / 1075
	TC ERG Guide #	115

Butane is a colourless gas with a faint petroleum-like odour. It is shipped as a liquefied gas under its vapour pressure. For transportation it may be stencched.

Contact with the unconfined liquid can cause frostbite by evaporative cooling.

It is easily ignited. The vapours are heavier than air and a flame can flash back to the source of the leak very easily. The leak may be either a liquid or vapour.

The vapours can asphyxiate by the displacement of air.

Under prolonged exposure to fire or heat the containers may rupture violently and rocket.

### POTENTIAL HAZARDS

#### HEALTH HAZARDS

- Vapours may cause dizziness or asphyxiation without warning.
- Some may be irritating if inhaled at high concentrations.
- Contact with gas or liquefied gas may cause burns, severe injury, and/ or frostbite.
- Fire may produce irritating and/or toxic gases.

#### FIRE OR EXPLOSION

- **EXTREMELY FLAMMABLE: Will be easily ignited by heat, sparks, or flames.**
- Will form explosive mixtures with air.
- Vapours from liquefied gas are initially heavier than air and spread along ground.
- Vapours may travel to source of ignition and flash back.
- Cylinders exposed to fire may vent and release flammable gas through pressure relief devices. Containers may explode when heated.
- Ruptured cylinders may rocket.

CRUDE OIL	ECCC Hazard Category	F - Pool Fire
	CAS #	128683-25-0 / 8002-05-09
	UN #	1267
	TC ERG Guide #	128

Crude oil is dark brown or black liquid with a petroleum smell.

It's a mixture of naturally occurring hydrocarbons that is refined into thousands of products.

It's feedstock for refineries where it undergoes distillation. This process breaks the liquid down into various products of different weight, depending on the exact composition of the liquid. The majority of crude is used for gasoline, jet fuel, diesel, and heating oils. Heavier products are used to make tar, asphalt, paraffin wax, and lubricating oils.

### POTENTIAL HAZARDS

#### HEALTH HAZARDS

- Inhalation or contact with material may irritate or burn skin and eyes.
- Fire may produce irritating and/or toxic gases.
- Vapours may cause dizziness or suffocation.
- Runoff from fire control or dilution water may cause pollution.

#### FIRE OR EXPLOSION

- **HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks, or flames.**
- Vapours may form explosive mixtures with air.
- Vapours may travel to source of ignition and flash back.
- Most vapours are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
- Vapour explosion hazard indoors, outdoors, or in sewers.
- Runoff to sewer may create fire or explosion hazard.
- Containers may explode when heated.
- Many liquids are lighter than water.

## WHAT TO DO

- 1) If you are indoors and suspect there may be a release from a storage vessel, close all doors and windows and turn down the furnace and thermostat immediately. In the summer, turn off all air conditioning.
- 2) If you are outside, travel away and upwind from the suspected source.
- 3) DO NOT use any forms of ignition (smoking / lighters / fire places / wood stoves / etc.).
- 4) Contact Gibson Energy via the contact information found on the front of this pamphlet and report the odour. Immediate action will be taken to determine the source of the odour.  
If unable to reach Gibson Energy notify the Alberta Energy Regulatory (AER) (see front panel) to report the odour.
- 5) Monitor the radio or television for explanation and instruction. You may also receive a call from Gibson Energy, the municipality, or the AER providing further instruction or explanation.
- 6) If you are considering leaving the area, contact the Gibson Energy representative, the municipality, or the AER for evacuation instructions. For major incidents, a special number may be provided, which should be used.
- 7) If environmental monitoring indicates that the release may impact members of the public, an evacuation will be carried out under the direction of authorized emergency personnel. Individuals pre-identified with special needs will be given priority.
- 8) If you are directed to evacuate, follow the instructions that will safely move you away from the source and out of harm's way. You will also be provided with instructions to check in and register at a reception centre located in a secure and safe place.
- 9) All other individuals should consider leaving the area and should seek medical advice if health symptoms develop.

### EARLY NOTIFICATION

At any level of emergency, Gibson responders will contact downwind residents and residents with special needs considerations. Special needs considerations include residents who may require transportation, residents who do not have a telephone on-site and / or residents who have health or respiratory problems.

If you require voluntary evacuation assistance or if there is no answer to our telephone calls, Gibson will dispatch personnel to your residence or business to verify your location and inform you of the situation.

### EMERGENCY PROCEDURES

At any level of emergency, roadblocks would be set up around the Emergency Planning Zone (EPZ) to keep traffic out of the hazard area. Residents in the immediate area would be contacted, given an update of the situation and instructed on which precautions to take. Emergency Awareness Zone (EAZ) is identified on the map for reference purposes only.

In the event the EPZ had to be evacuated, a reception centre would likely be set up at one of the locations identified on the front of this pamphlet.

In some cases, there may be concern that evacuation would expose people to greater hazard than if they remain in their homes. Buildings provide a supply of clean indoor air to dilute contaminated air that infiltrates from outdoors, thus reducing the concentrations to which the occupants are exposed. Therefore sheltering may be considered as an alternative to evacuations for short durations.

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## POTENTIAL HEALTH IMPACTS

DIESEL	ECCC Hazard Category	F - Pool Fire
	CAS #	68334-30-5
	UN #	1202
	TC ERG Guide #	128

Diesel is a straw yellow to dark coloured liquid with a petroleum-like odour.

It's less dense than water and insoluble in water. Hence, floats on water.

Vapours are heavier than air.

### POTENTIAL HAZARDS

#### HEALTH HAZARDS

- Inhalation or contact with material may irritate or burn skin and eyes.
- Fire may produce irritating, corrosive, and/or toxic gases.
- Vapours may cause dizziness or suffocation.
- Runoff from fire control or dilution water may cause pollution.

#### FIRE OR EXPLOSION

- **HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks, or flames.**
- Vapours may form explosive mixtures with air.
- Vapours may travel to source of ignition and flash back.
- Most vapours are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
- Vapour explosion hazard indoors, outdoors, or in sewers.
- Runoff to sewer may create fire or explosion hazard.
- Containers may explode when heated.
- Many liquids are lighter than water.

## NOTES

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## OVERVIEW

As part of the public safety process, Gibson Energy has created this information pamphlet and an area specific emergency response plan (ERP). You are being contacted to make certain that you are aware of their operations in the area and to ensure that you understand your role in the emergency response process.

Located within Strathcona County, Gibson's Edmonton Terminal has Butane, Crude Oil and Diesel storage bullets, making it an Environment and Climate Change Canada (ECCC), CEPA registered facility.

Substance	BUTANE	CRUDE OIL	DIESEL
CAS Number	106-97-8	8002-05-9	68334-30-5
Quantity	1 @ 114.3 m <sup>3</sup> 2 @ 338 m <sup>3</sup> each	2 @ 15,000 bbl each 3 @ 20,000 bbl each 2 @ 80,000 bbl each 1 @ 40,000 bbl 2 @ 400,000 bbl each 1 @ 435,000 bbl	2 @ 31.5 bbl each 1 @ 32 bbl 1 @ 42 bbl 1 @ 48 bbl 1 @ 60 bbl 1 @ 100 bbl 1 @ 1,000 bbl 1 @ 20,000 bbl 1 @ 40,000 bbl 2 @ 80,000 bbl each 1 @ 100,000 bbl 1 @ 300,000 bbl
Facility Storage EPZ	120 m	1636 m	1295 m

### WHY ARE YOU BEING CONTACTED?

Although the probability of an incident is low, Gibson is taking advance preparations to ensure your safety. Gibson would like to ensure:

- 1 You are aware of the Emergency Response Plan and understand how it functions.
- 2 You are aware of the Reception Centre(s) and their locations.
- 3 You are advised of methods of communication to be used in case of an emergency.

Gibson obtains the confidential\* information it may need to contact each business in the immediate area.

### LEVELS OF EMERGENCY

<b>ALERT</b>	ON-SITE ONLY - Immediate control of the hazard with progressive resolution of the solution. There is no risk to the public or environment as the incident is contained to the site.
<b>LEVEL 1</b>	LOW IMPACT - Public, personnel and environment are not at serious risk and on-site personnel can control the incident. The incident is usually confined to the company.
<b>LEVEL 2</b>	MODERATE IMPACT - Public, personnel or the environment are at definite risk and external assistance is required to control the situation. Media coverage is possible and the incident has an effect outside the company boundaries. External and provincial agencies must be notified.
<b>LEVEL 3</b>	HIGH IMPACT - Control of the situation has been lost and presents or has caused a hazard to public, personnel and / or the environment, on or off company property. Immediate multi-agency and provincial government involvement is required.

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## EDMONTON TERMINAL

### GIBSON ENERGY CONTACTS

<b>Control Room Team Lead</b>	24 Hr: 780-449-9776
<b>Manager, Operations</b> Bill Hawes	Contact: 780-449-9357
<b>Terminal Supervisor</b> Lyle Young	Contact: 780-449-9361
<b>Terminal Supervisor</b> Brad Foster	Contact: 780-449-9398
<b>Sr. EH&amp;S Advisor</b> Ken Pratt	Contact: 780-449-9699

### GOVERNMENT CONTACTS

<b>Alberta Energy Regulator (AER)</b>	24 Hr: 800-222-6514
<b>Strathcona County</b>	Office: 780-467-5216

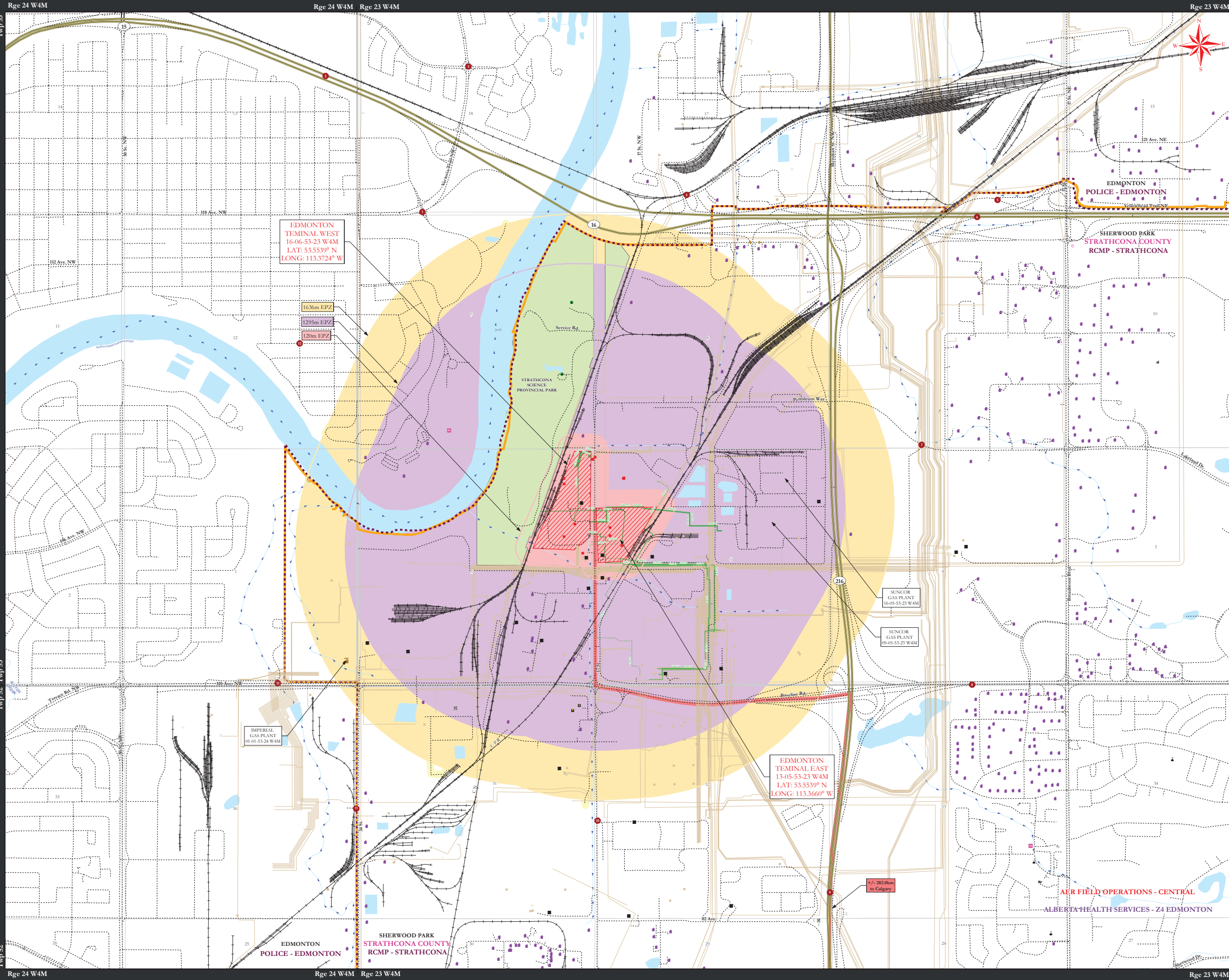
This Information Pamphlet is Environment Canada Regulated.

### RECEPTION CENTRES

<b>Clarion Hotel &amp; Conference Centre</b> 2100 Premier Way, Sherwood Park, AB	Contact: 780-464-4900
<b>Courtyard by Marriott</b> 10011 - 184 Street NW, Edmonton AB	Contact: 780-638-6070



**Utility Safety Partners**  
(Click Before You Dig)  
Call Toll Free: 1-800-242-3447  
<https://utilitiesafety.ca>



# EDMONTON TERMINAL EDMONTON ERP



Draft Date: December 13, 2021 GLG Scale: 1:12,000 Map:12858

Revision Date: October 17, 2022 TS UTM ZONE 12 NAD83



- Third Party Well
- Third Party Facility
- Third Party Gas Plant
- Facility
- Third Party Pipeline
- Gas Pipeline
- Oil Pipeline
- - - Discontinued Oil Pipeline
- - - Other Roads
- Main Hwy
- Divided Hwy
- Access Route
- Railway
- Roadblock
- Business
- Vacant
- School
- Hall
- Church
- Public Use
- Occupied Facility
- × Abandoned
- Bridge
- Communication Tower
- Dead End
- Power Station
- Recreation Area
- Road Blocked
- River Flow Direction
- Hydrology
- Waterbody
- Urban Area
- Protected Area
- AER Field Centre
- Health Authority
- Local Authority
- RCMP
- Edmonton Terminal Site
- Resident Quadrant
- Number i.e. GU223
- EPZ Butane
- EPZ Diesel
- EPZ Crude Oil
- Egress

## AREA OVERVIEW MAP

